

X.—*List of the Lepidopterous Insects collected in Cachar, by MR. J. WOOD-MASON, Part I,—HETEROCERA.—By F. MOORE, F. Z. S., A. L. S. Communicated by the NATURAL HISTORY SECRETARY.*

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SPHINGES.

1. MACROGLOSSA BELIS, Cram., Pap. Exot. i. pl. 94, fig. C.
2. MACROGLOSSA LUTEATA, Butler, P. Z. S. 1875, p. 241, pl. 37, fig. 5.
3. MACROGLOSSA GILIA, H. Schæff., Samml. Exot. Schmett. pl. 23, fig. 107.
4. MACROGLOSSA GYRANS, Walk., Catal. Lep. Het. Brit. Mus. viii, p. 91.
5. LOPHURA PUSILLA, Butler, P. Z. S. 1875, p. 244.
6. HÆMARIS HYLAS, Linn. (Cram., Pap. Exot. pl. 148, fig. B.).
7. CALYMNIA PANOPUS, Cram., Pap. Exot. pl. 224, fig. A, B.

BOMBYCES.

8. MELITTIA EURYTION, Westw., Cab. Orient. Ent. pl. 30, fig. 5.
9. EUSEMIA COMMUNIS, Butler, Ann & Mag. Nat. Hist. 1875, p. 140, pl. 13, fig. 1.
10. EUSEMIA BELLATRIX, Westw., Cab. Orient. Ent. pl. 33, fig. 2.
11. NYCTALEMON ZAMPA, Butler, Ent. Monthly Mag. v. p. 273.
12. SYNTOMIS ATKINSONI, Moore, P. Z. S. 1871, p. 245, pl. 18, fig. 2.
13. EUCHROMIA POLYMENA, Linn. (Cram., Pap. Exot. pl. 31, fig. D).
14. MILIONIA ZONEA, Moore, P. Z. S. 1872, p. 569.
15. NYCTEMERA LACTICINIA, Cram., Pap. Exot. pl. 128, fig. E.
16. PITASILA VARIANS, Walker (Butler, Types Lep. Het. B. M. v. pl. 88, fig. 4).
- \*17. TRYPHÆROMERA PLAGIFERA, Walk. (Butler, l. c., pl. 88, fig. 3).
18. EUSCHEMA MILITARIS, Linn. (Cram., Pap. Exot. pl. 29, fig. B).
19. HISTIA PAPILIONARIA, Guérin, Mag. de Zool. 1831, p. 12.
20. CYCLOSLIA PAPILIONARIS, Drury, Exot. Ins. pl. 11, fig. 4.
21. CYCLOSLIA PANTHONA, Cram., Pap. Exot. pl. 322, fig. C.
22. CHALCOSIA ARGENTATA, Moore, Desc. Lep. Coll. Atkinson, p. 17.
23. PIDORUS GLAUCOPIS, Drury, Exot. Ins. pl. 6, fig. 4.
24. HETERUSIA MAGNIFICA, Butler, Trans. Ent. Soc. 1879, p. 5.
25. HETERUSIA EDOCLA, Dbleday, Zoologist, ii, p. 469.

26. *DEVANICA BICOLOR*, Moore, n. sp.

Female: forewing black, crossed by a yellow outwardly oblique medial band; veins indistinctly lined with blue: hindwing yellow, with a black marginal band, which is broad and truncated at the apical end and very narrow at anal end; base of wing also slightly black. Body, legs, and antennæ bluish-black. Expanse  $1\frac{1}{2}$  inch.

This species is nearest allied to *D. risa* (*Eterusia risa*, Dbleday).

27. *PINTIA FERREA*, Walk. (Butler, Types Lep. Het. B. M. pl. 83, fig. 7.

28. *TRYPANOPHORA HUMERALIS*, Walk., Catal. Lep. Het. B. M. vii, p. 1593.

29. *HYPSA ALCIPHON*, Cram., Pap. Exot. pl. 133, fig. E.

\*30. *HYPSA PLAGINOTA*, Butler, Types Lep. Het. B. M. pl. 87, fig. 7.

31. *HYPSA HELICONIA*, Linn. (Walk., Catal. Lep. Het. B. M. ii, p. 452.

32. *HYPSA CLAVATA*, Butler, Trans. Ent. Soc. 1875, p. 317.

33. *HYPSA MARMOREA*, Walk., Catal. Lep. Het. B. M. p. 1674.

34. *PHILONA INOPS*, Walk. (Butler, Types Lep. Het. B. M. pl. 87, fig. 6).

35. *BIZONE BIANCA*, Walk., Catal. Lep. Het. B. M. vii, p. 1684.

36. *BARSINE GRATIOSA*, Guerin, Delessert's Voy. pl. 26, fig. 1.

37. *BARSINE CONJUNCTANA*, Walk. (*tessellata*, Butler, Types Lep. Het. B. M. pl. 86, f. 12).

38. *ALOPE OCELLIFERA*, Walk., Catal. Lep. Het. B. M. iii, p. 620.

39. *ALOA SANGUINOLENTA*, Fabr., Ent. Syst. iii, 1, p. 473.

40. *CREATONOTUS DIMINUTA*, Walk. (Butler, Types Lep. Het. B. M. pl. 85, fig. 5).

41. *RHODOGASTRIA ASTREA*, Drury, Ins. ii, pl. 28, fig. 4.

42. *ORGYIA ALBIFASCIA*, Walk., Catal. Lep. Het. B. M. Suppl. p. 325.

43. *ARTAXA SUBFASCIATA*, Walk., l. c. Suppl. p. 332.

44. *REDOA SUBMARGINATA*, Walk. (Butler, Types Lep. Het. B. M. pl. 89, fig. 3).

45. *PERINA BASALIS*, Walk., Catal. Lep. Het. B. M. iv, p. 966.

46. *NUMENES INSIGNIS*, Moore, Catal. Lep. E. I. C. ii, pl. 10, fig. 6.

47. *LYMANTRIA OBSOLETA*, Walk., Catal. Lep. Het. B. M. iv, p. 880.

48. *TRABALA VISHNU*, Lefebvre, Zool. Journ. iii, p. 207.

49. *DREATA TESTACEA*, Walk., Catal. Lep. Het. B. M. iv, p. 905.

50. *CRICULA TRIFENESTRATA*, Helfer, Journ. As. Soc. Beng. 1873, p. 45.

51. *APHENDALA DIVARICATA*, Moore, n. sp.

Female. Upperside pale purplish brownish ochreous: forewing with a slender dark ochreous-brown band curving upward from poste-

rior margin at one-third from the base to one-third before the apex, and from which a straight erect similar band extends from its costal end to the posterior angle. Body dark ochreous-brown. Expanse  $1\frac{3}{8}$  inch. Taken at Silcuri.

52. *NATADA RUGOSA*, Walk. Catal. Lep. Het. B. M. v. p. 1109.

[53. *ZEUZERA*, sp. The larvæ, pupæ, and perfect insects observed by J. Wood-Mason. The 'borer' of tea-planters.]

#### NOCTUES.

54. *PRODENIA CILIGERA*, Guén., Noct. i, p. 164.

55. *AMYNA SELENAMPHA*, Guén., Noct. i, p. 406.

56. *ALAMIS UMBRINA*, Guén., Noct. iii, p. 4.

57. *XANTHODES TRANSVERSA*, Guén., Noct. ii, p. 211.

58. *VARNIA IGNITA*, Walk., Catal. Lep. Het. B. M. xxxiii, p. 825.

59. *ANOPHIA OLIVESCENS*, Guén., Noct. iii, p. 48.

60. *ATHYRMA*, sp. ?

61. *CALESIA HEMORRHODA*, Guén., Noct. iii, p. 258.

62. *REMIGIA FRUGALIS*, Fabr. (Walker, Catal. Lep. Het. B. M. xiv, p. 1507).

63. *REMIGIA ARCHESIA*, Cram., Pap. Exot. pl. 273, fig. F. G.

64. *CALLYNA JAGUARIA*, Walk., Catal. Lep. Het. B. M. xiii, p. 1809.

65. *SERICEA SUBSTRUENS*, Walk., l. c. xiv, p. 1276.

66. *LYGNIODES HYPOLEUCA*, Guén., Noct. iii, p. 125.

67. *ARGIVA HIEROGLYPHICA*, Drury, Exot. Ins. ii, pl. 2, fig. 1.

68. *NYCTIPAO CREPUSCULARIS*, Cram. (Walk., Catal. Lep. Het. B. M. xiv, p. 1304).

69. *NYCTIPAO OBLITERANS*, Walk., l. c. xiv, p. 1307.

70. *HULODES CARANEA*, Cram., Pap. Exot. pl. 269, fig. E. F.

71. *LAGOPTERA HONESTA*, Hubn. (Walk. Catal. Lep. Het. B. M. xiv, p. 1352).

\*72. *OPHIDERES SALAMINIA*, Cram., Pap. Exot. pl. 174, fig. A.

73. *OPHIDERES FULLONICA*,

74. *SPIRAMA COHÆRENS*, Walk., Catal. Lep. Het. B. M. xiv, p. 1321.

[75. *EUMETA CRAMERI*. The larvæ observed by J. Wood-Mason. The 'leaf-insect' of planters.]

[76. *EUMETA*, sp. The larvæ observed by J. Wood-Mason. The 'stick-insect' of planters.]

#### GEOMETRES.

77. *LAGYRA TALACA*, Walk., Catal. Lep. Het. B. M. xx, p. 59.

78. *URAPTERYX CROCOPTERATA*, Kollar, Hügel's Kasch. ix, p. 483.

79. BUZURA MULTIPUNCTARIA, Walk., Catal. Lep. Het. B. M. xxvi, p. 1531.
80. ELPHOS SCOLOPAICA, Drury, Exot. Ins. ii, pl. 22, fig. 1.
81. MACARIA NORA, Walk., Catal. Lep. Het. B. M. xxiii, p. 934.
82. NAXA TEXTILIS, Walk., l. c. vii, p. 1743.
83. MICRONIA CASEATA, Guén., Phal. ii, p. 27.
84. MICRONIA ACULEATA, Guén., l. c. ii, pl. 13, fig. 8.
85. ARGYRIS OCELLATA, H. Sch. (Walk., Catal. Lep. Het. B. M. xxii, p. 807.
86. ACIDALIA, sp. ?
87. ABRAXAS MARTARIA, Guén., Phal. ii, p. 205.

## PYRALES.

88. ASTURA PUNCTIFERALIS, Guen., Delt. et Pyral. p. 320.
89. EUGLYPHIS PROCOPIALIS, Cram., Pap. Exot. pl. 368, fig. E.

## CRAMBICES.

90. APURIMA XANTHOGASTRELLA, Walk., Catal. Lep. Het. B. M. xxvii, p. 194.

## TINEINES.

- \*91. NOSYMNA REPLETELLA, Walk., Catal. Lep. Het. B. M. xxix, p. 831.
92. SAGORA RUTILELLA, Walk., Characters of Und. Lep. Het. p. 101 (1869).

[The insects before whose names an asterisk (\*) is prefixed were captured on Nemotha, a peak of the North Cachar Hills about 3300 feet high. All the rest were taken at Silcuri, Borakhai, Silduby, Dharmkhal, Durgakuna, Doarbun, Irangmara, Doloo, Subong, and other tea-gardens in the plains. The only species of any interest to tea-planters are the *Zeuzera* and the two case-bearers belonging to the genus *Eumeta*, descriptions of which will be published hereafter elsewhere. J. W.-M.]

